

IN THE CLAIMS:

Please substitute for corresponding pending claims the claims as shown rewritten below with amendments effected therein.

1. (Currently amended) A battery pack comprising: a rechargeable battery [(2)] and a substrate [(3)] at least having an external terminal [(6)] being electrically connected and united by solidified molded resin, and partly covered by a resin mold member [(97)] which at least having an opening for exposing said external terminal [(6)] to the outside.

2. (Currently amended) A battery pack comprising: an intermediate product [(8)] being formed with a rechargeable battery [(2)] and a substrate [(3)] at least having an external terminal united by a resin mold member [(11)], the battery [(2)] including elements for electromotive force being accommodated in a bottomed tube-like battery case [(22)] with its open end sealed by a sealing plate [(23)] and the external terminal [(6)] being connected onto the sealing plate [(23)] of the battery [(2)] such that the external terminal [(6)] is on the outside; an upper resin mold [(97)] at least having an opening for exposing the external terminal [(6)] to the outside bonded to the intermediate product [(8)] such as to cover the substrate [(3)] and the resin mold member [(11)]; a lower resin mold [(98)] being bonded to

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a bottom face of the battery case ~~[(22)]~~; and a sheet ~~[(13)]~~ being wound around side faces of the upper resin mold ~~[(97)]~~, the lower resin mold ~~[(98)]~~, and the battery case ~~[(22)]~~.

3. (Currently amended) The battery pack according to claim 2, wherein the upper resin mold ~~[(97)]~~ and the lower resin mold ~~[(98)]~~ are coupled together by connection pieces ~~(99, 100)~~ that run along sides of the battery ~~[(2)]~~.

4. (Currently amended) The battery pack according to claim 3, wherein the upper resin mold ~~[(97)]~~ and the lower resin mold ~~[(98)]~~, and the connection pieces ~~[(100)]~~ are integrally molded such that the connection pieces ~~(100)~~ is bendable at right angles at hinges ~~[(102)]~~ formed therewith.

5. (Currently amended) A method for manufacturing a battery pack, comprising: connecting a circuit substrate ~~[(3)]~~ being formed with an external terminal ~~[(6)]~~ on one side to a rechargeable battery ~~[(2)]~~ by a connecting member; arranging the circuit substrate ~~[(3)]~~ such that the opposite side of the circuit substrate ~~[(3)]~~ faces a sealing plate ~~[(23)]~~ of the rechargeable battery ~~[(2)]~~ with a gap therebetween for forming an object ~~[(7)]~~ to be resin packed; placing the object ~~[(7)]~~ to be resin packed inside a die such that the

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rechargeable battery [(2)] and the circuit substrate [(3)] are in predetermined positions; filling the gap between the rechargeable battery [(2)] and the circuit substrate [(3)] with resin for forming an intermediate product [(8)] by uniting the rechargeable battery [(2)] and the circuit substrate [(3)]; and forming an outer covering such that at least the external terminal [(6)] of the intermediate product [(8)] is exposed to the outside.

6. (Currently amended) A method for manufacturing a battery pack comprising: connecting a circuit substrate [(3)] being formed with an external terminal [(6)] on one side to a flat prismatic rechargeable battery [(2)] on a sealing plate [(23)] side thereof by a connecting member; arranging the circuit substrate [(3)] so that the opposite side of the circuit substrate [(3)] faces the sealing plate [(23)] of the rechargeable battery [(2)] with a gap therebetween for forming an object [(7)] to be resin packed; placing the object [(7)] to be resin packed inside a die such that a bias is applied thereto so that either one of the sealing plate [(23)] and a bottom face of the rechargeable battery [(2)] abuts on a wall that defines the position of the battery and is formed inside the die; arranging the circuit substrate [(3)] being held by vacuum suction on a wall that defines the position of the substrate and is formed inside the die parallel to the wall that defines the position of the battery; filling the gap between the rechargeable battery [(2)] and the circuit substrate [(3)] to form

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an intermediate product [(8)] by uniting the rechargeable battery [(2)] and the circuit substrate [(3)]; and forming an outer covering such that at least the external terminal [(6)] of the intermediate product [(8)] is exposed to the outside.

7. (Currently amended) A method for manufacturing a battery pack comprising: connecting a circuit substrate [(3)] being formed with an external terminal [(6)] on one side to a flat prismatic rechargeable battery [(2)] on a sealing plate [(23)] side thereof by a connecting member; arranging the circuit substrate [(3)] so that the opposite side of the circuit substrate [(3)] faces the sealing plate [(23)] of the rechargeable battery [(2)] with a gap therebetween for forming an object [(7)] to be resin packed; placing the object [(7)] to be resin packed inside a die such that a bias is applied thereto so that either one of the sealing plate [(23)] and a bottom face of the rechargeable battery [(2)] abuts on a wall that defines the position of the battery and is formed inside the die; arranging the circuit substrate [(3)] such that a bias is applied so that both ends of the circuit substrate [(3)] abut on a wall that defines the position of the substrate and is formed parallel to the wall that defines the position of the battery; filling the gap between the rechargeable battery [(2)] and the circuit substrate [(3)] with resin for forming an intermediate product [(8)] by uniting the rechargeable battery [(2)] and the circuit substrate [(3)]; and forming an

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outer covering such that at least the external terminal [(6)] of the intermediate product [(8)] is exposed to the outside.

8. (Currently amended) A method for manufacturing a battery pack comprising: connecting a circuit substrate [(3)] being formed with an external terminal [(6)] on one side to a flat prismatic rechargeable battery [(2)] on a sealing plate [(23)] side thereof by a connecting member; arranging the circuit substrate [(3)] so that the opposite side of the circuit substrate [(3)] faces the sealing plate [(23)] of the rechargeable battery with a gap therebetween for forming an object [(7)] to be resin packed; placing the object [(7)] to be resin packed inside a die such that a bias is applied so that either one of the sealing plate [(23)] and a bottom face of the rechargeable battery [(2)] abuts on a wall that defines the position of the battery and is formed inside the die; arranging the circuit substrate [(3)] such that one edge of the circuit substrate [(3)] fits in a groove that defines the position of the substrate and is formed parallel to the wall that defines the position of the battery; filling a gap between the rechargeable battery [(2)] and the circuit substrate [(3)] with resin for forming an intermediate product [(8)] by uniting the rechargeable battery [(2)] and the circuit substrate [(3)]; and forming an outer covering such that at least the external terminal [(6)] of the intermediate product [(8)] is exposed to the outside.

9. (Currently amended) A method for manufacturing a battery pack comprising: arranging a circuit substrate [(3)] being formed with an external terminal [(6)] on one side on a sealing plate [(23)] side of a flat prismatic rechargeable battery [(2)] with a gap therebetween; connecting the circuit substrate [(3)] to the rechargeable battery [(2)] by a resilient connecting member that biases the circuit substrate [(3)] in a direction away from the rechargeable battery [(2)] for forming an object [(7)] to be resin packed; placing the object [(7)] to be resin packed inside a die against the biasing force of the connecting member, the die having an inner space that restricts a dimension from the bottom face of the rechargeable battery [(2)] to one surface of the circuit substrate [(3)] where the external terminal [(6)] is formed; filling a gap between the rechargeable battery [(2)] and the circuit substrate [(3)] with resin for forming an intermediate product [(8)] by uniting the rechargeable battery [(2)] and the circuit substrate [(3)]; and forming an outer covering such that at least the external terminal [(6)] of the intermediate product [(8)] are exposed to the outside.

10. (Currently amended) The method for manufacturing a battery pack according to any one of claims 5 to 9, wherein the sealing plate [(23)] of the rechargeable battery [(2)] is provided with an undercut portion that protrudes

toward the circuit substrate [(3)], so that resin filled in the gap between the rechargeable battery [(2)] and the circuit substrate [(3)] firmly engages with the rechargeable battery [(2)].

11. (Currently amended) The method for manufacturing a battery pack according to claim 5, wherein the outer covering provided to the intermediate product [(8)] include an upper mold [(17)] covering one surface of the circuit substrate [(3)] where the external terminal is formed and the sealing plate [(23)] of the rechargeable battery [(2)] while exposing at least the external terminal [(6)] to the outside; a lower mold [(18)] formed on the bottom face of the rechargeable battery [(2)] having a predetermined height; and a connecting mold part [(19)] that couples the upper mold [(17)] and the lower mold [(18)] along the shorter sides of the rechargeable battery [(2)], the molds being formed by a secondary molding process, and a sheet [(13)] is wound around to cover the side faces of the rechargeable battery [(2)], part of the side faces of the upper mold [(17)] and the lower mold [(18)], and the connecting mold part [(19)].

12. (Currently amended) The method for manufacturing a battery pack according to claim 11, wherein the rechargeable battery [(2)] is formed to have an oval cross section, and the connecting mold part [(19)] is molded to

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conform to part of a rectangle that surrounds circular arcs at both ends of the oval cross section.

13. (Currently amended) The method for manufacturing a battery pack according to any one of claims 5 to 9, wherein the outer covering is formed by sheathing the intermediate product [(8)] with a tube-like member or a bottomed tube-like member having a predetermined height, and resin filling in the open end on one or both of the external terminal side of the circuit substrate [(3)] and the bottom face side of the rechargeable battery [(2)] such that predetermined parts including the external terminal [(6)] are exposed to the outside.

14. (Currently amended) The method for manufacturing a battery pack according to any one of claim 5 to 9, wherein the outer covering is formed of resin such as to cover the entire surface of the intermediate product [(8)] except for predetermined parts including the external terminal [(6)].

15. (Currently amended) The method for manufacturing a battery pack according to any one of claim 5 to 9, wherein parts of the dies used for the primary and secondary molding that make contact with exposed active parts of the object [(7)] to be resin packed or the intermediate product [(8)] is provided with an insulation coating.